

### ABSTRACT OF THE DISCLOSURE

A system for controlling engine crankshaft deceleration in an internal combustion engine is operable to determine whether the engine is operating with low inertia, to  
5 monitor an operational status of an engine retarding device configured to produce an engine retarding torque for decreasing rotational speed of the engine crankshaft, and to limit the retarding torque produced by the engine retarding device if the engine retarding device is operational and if the engine is operating with low inertia.